Global Warming

Cause , Impact and Mitigation





Cause of Global Warming

《Point》 Global warming is caused by anthropogenic activities.



275

1750

1800

1850

Year

Atmospheric CO₂ concentration and global mean temperature increase with the rapid increase of CO₂ emission.

1900

1950

2000

Carbon Cycle



《Point》 Carbon(C) circulates on the Earth.



Greenhouse Effect

RIT⊕

Point CO₂(carbon dioxide) plays an important role to keep the earth warm.



RIT⊕

Point However, increase in atmospheric concentration of CO₂ causes global warming.



Projection of Climate Change

(Point) CO₂ concentration increase causes the rises of the global temperature and sea level.



RIT⊕



Global Warming Impacts

{Point Extraordinary weather is projected to occur in various world regions. downpour and fi Impacts on marine ecosystems

CO₂ Emission



Point CO2 emissions vary widely across countries.



·CO2 emissions and per capita emissions are large at present for developed countries.
·CO2 emissions in developing countries are projected to increase with the population and the economic growths.

RIT⊕

Global Warming Mitigation

(Point)

We have various

A cost-effective

combination of the

options is required.

mitigation options to

reduce CO₂ emissions.



Global Warming Mitigation Scenario

《Point》 Economic consideration is important to select a combination of the options.

